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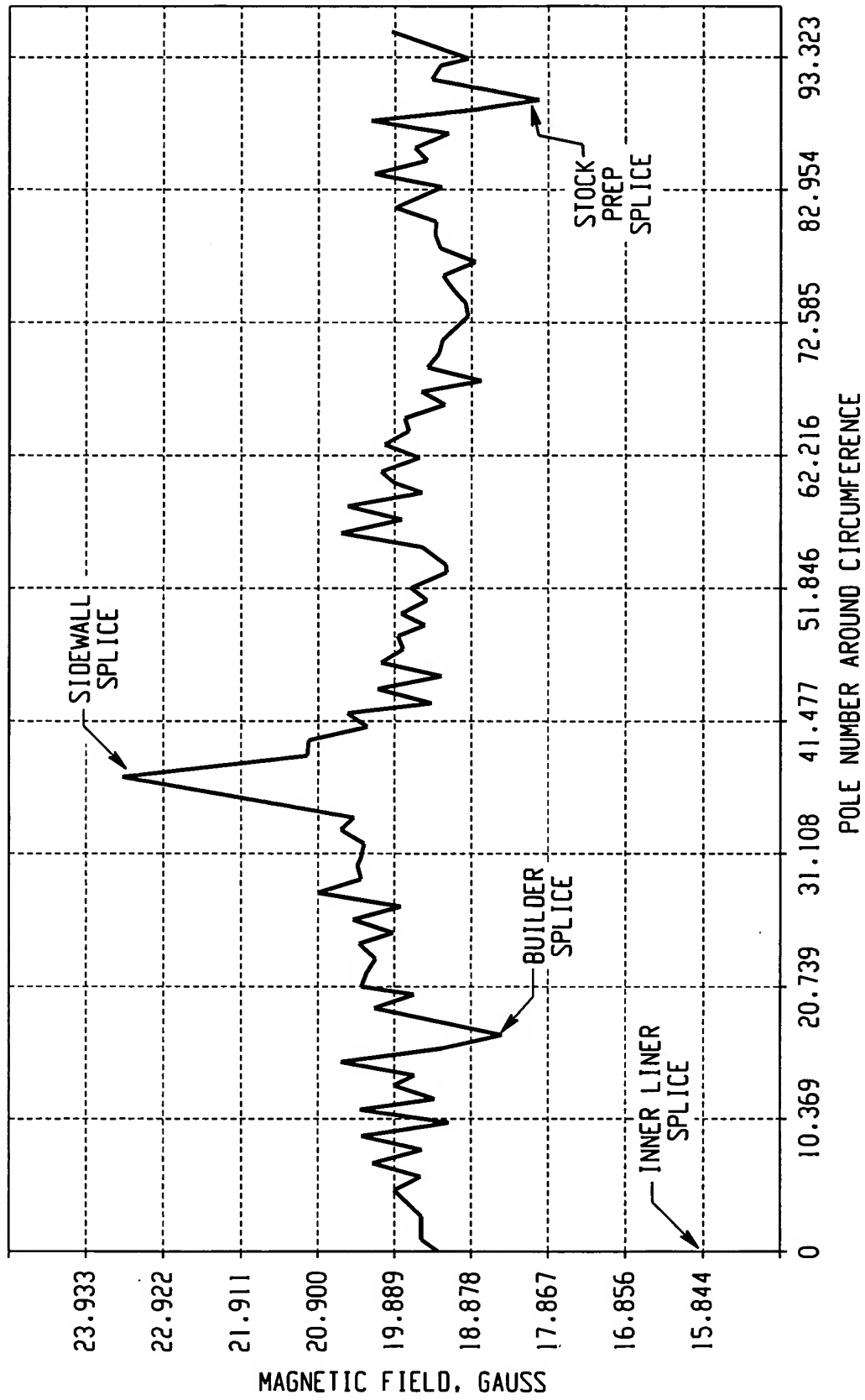


Fig. 1

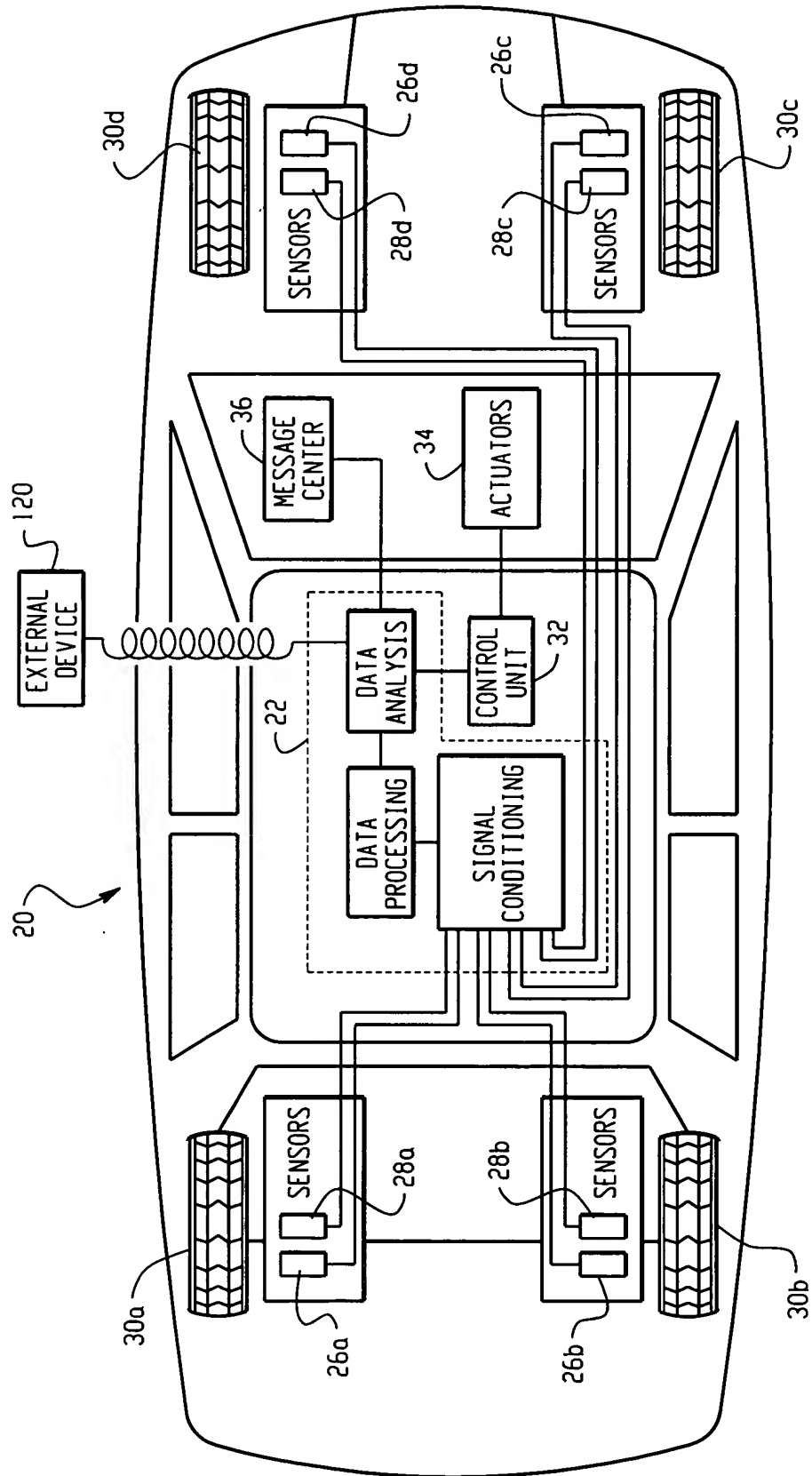
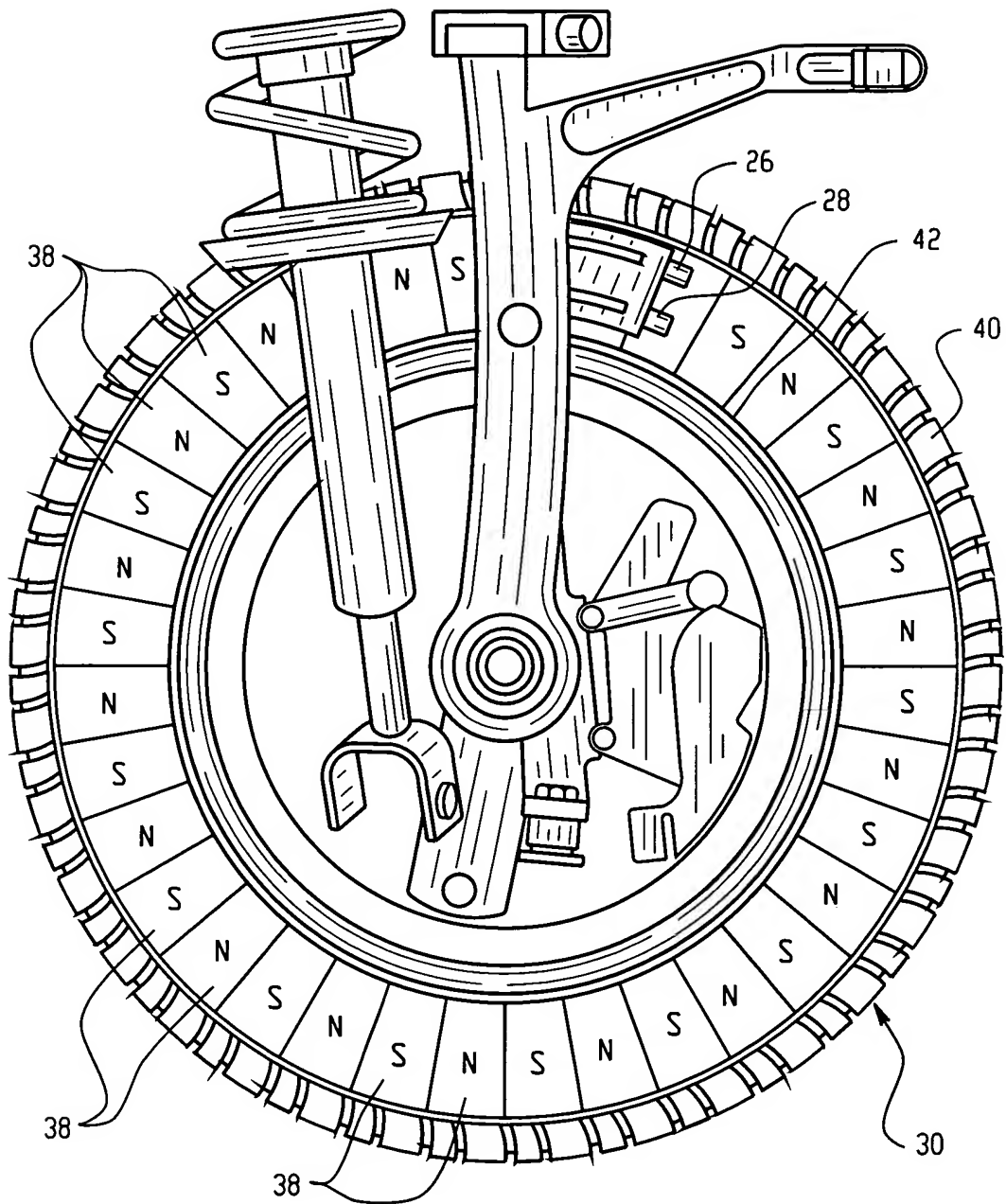
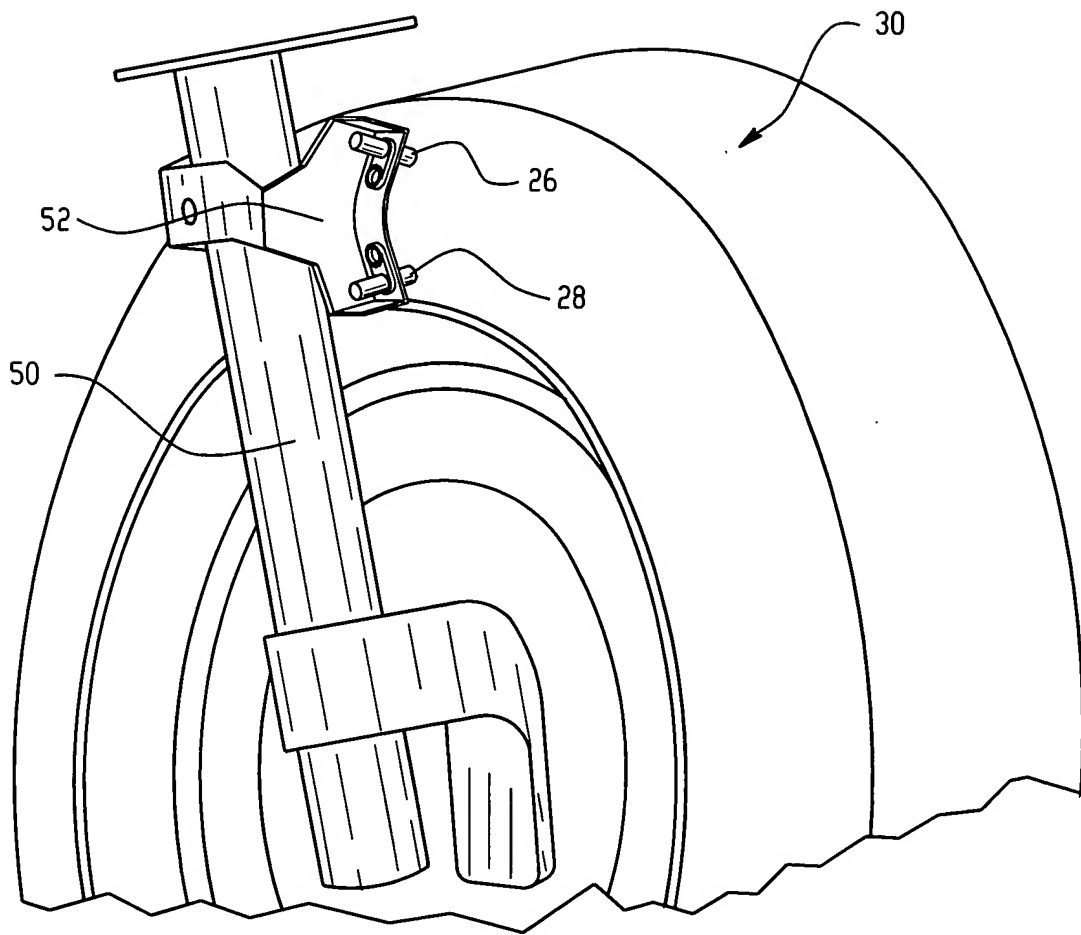


Fig. 2



*Fig. 3*



*Fig. 4*

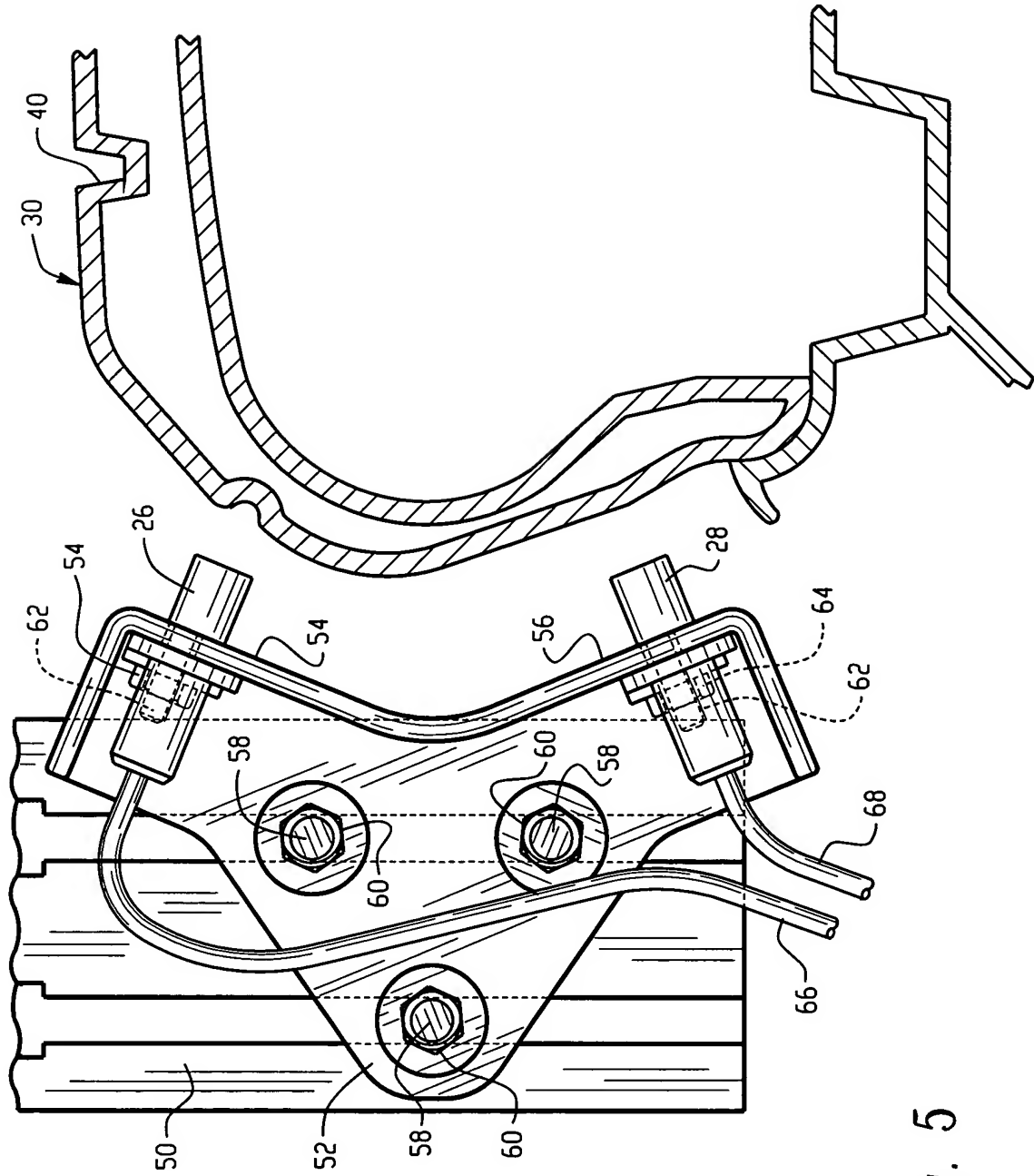


Fig. 5

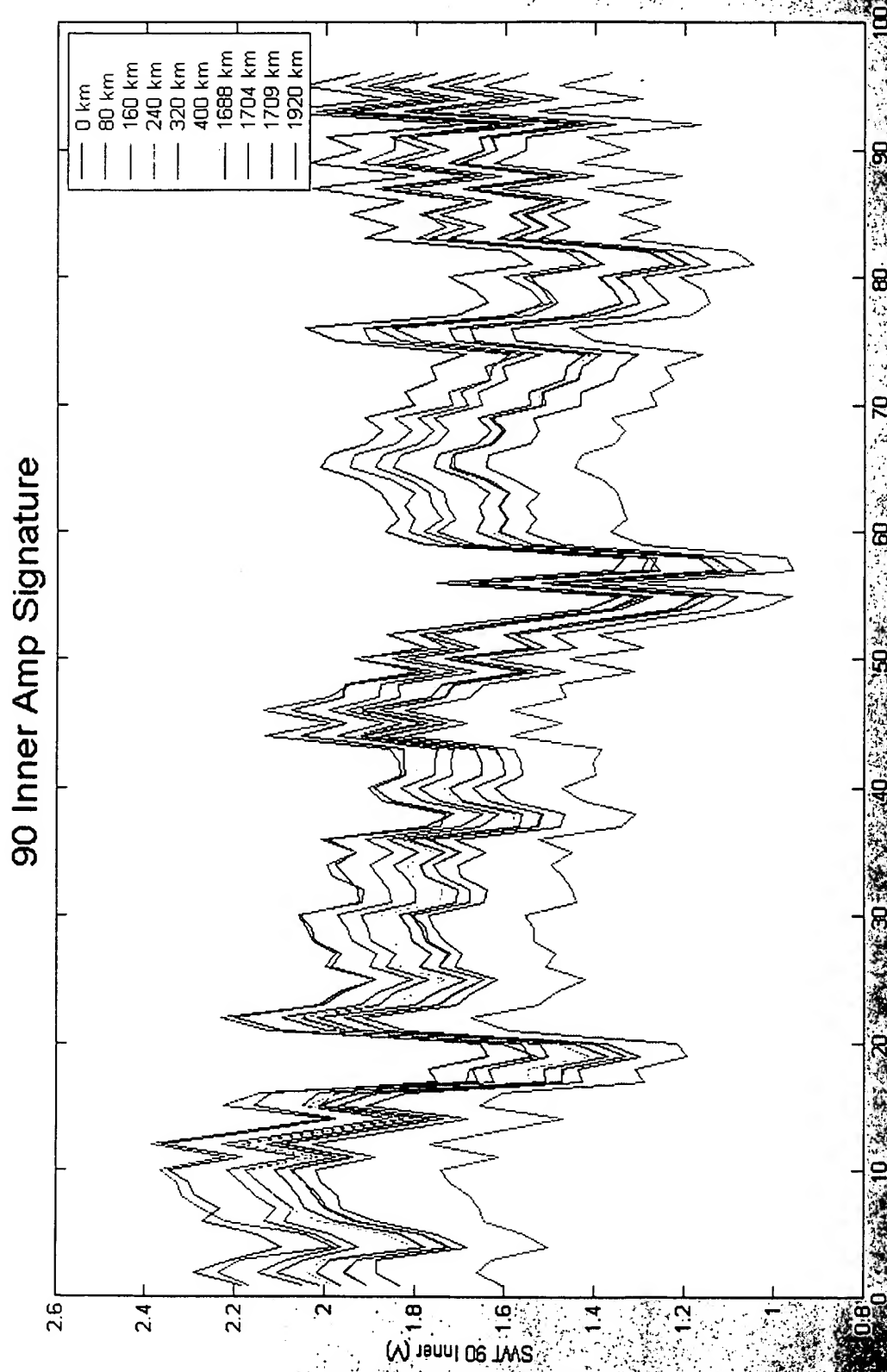


Fig. 6

## 90 Outer Amp Signature

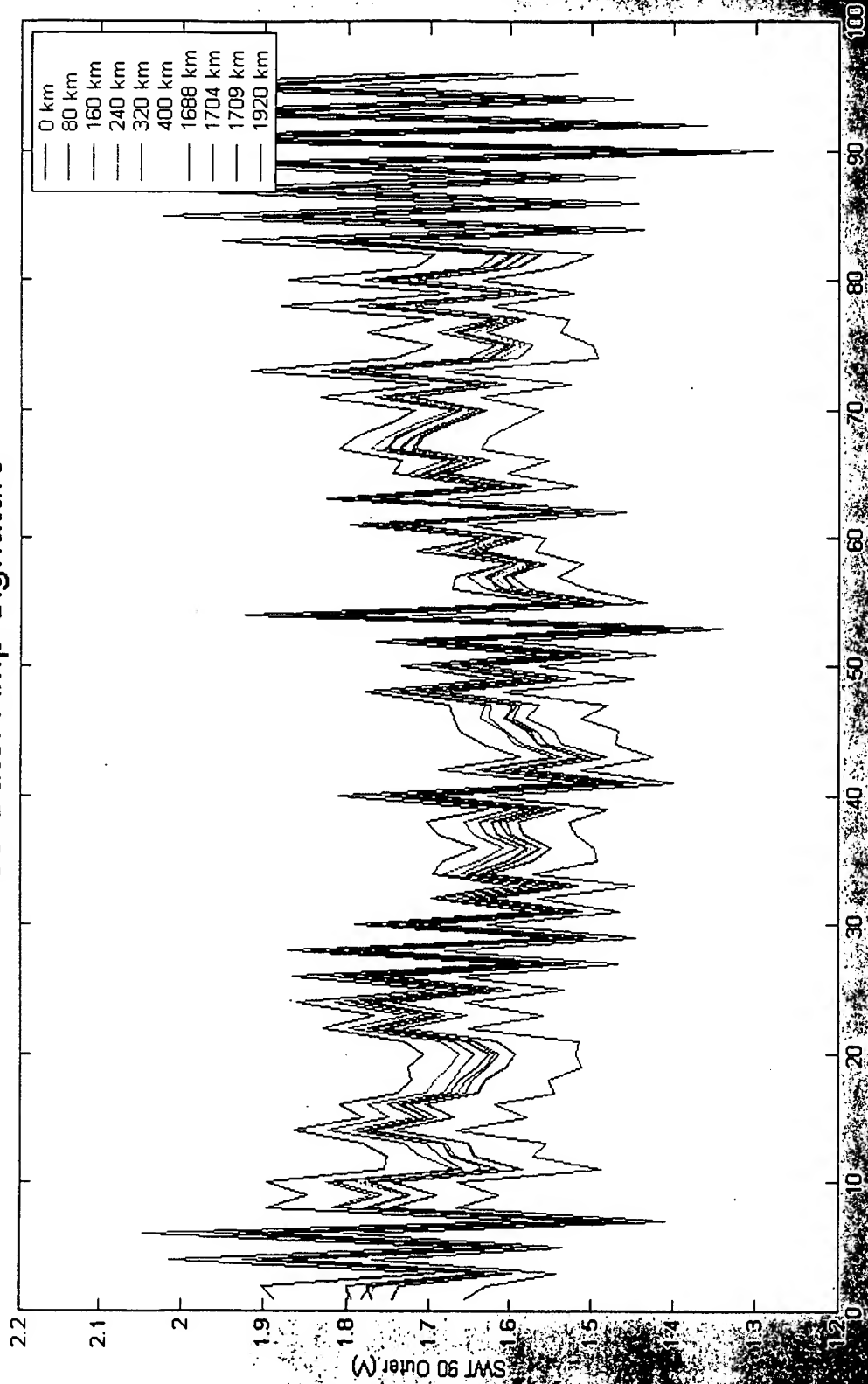


Fig. 7



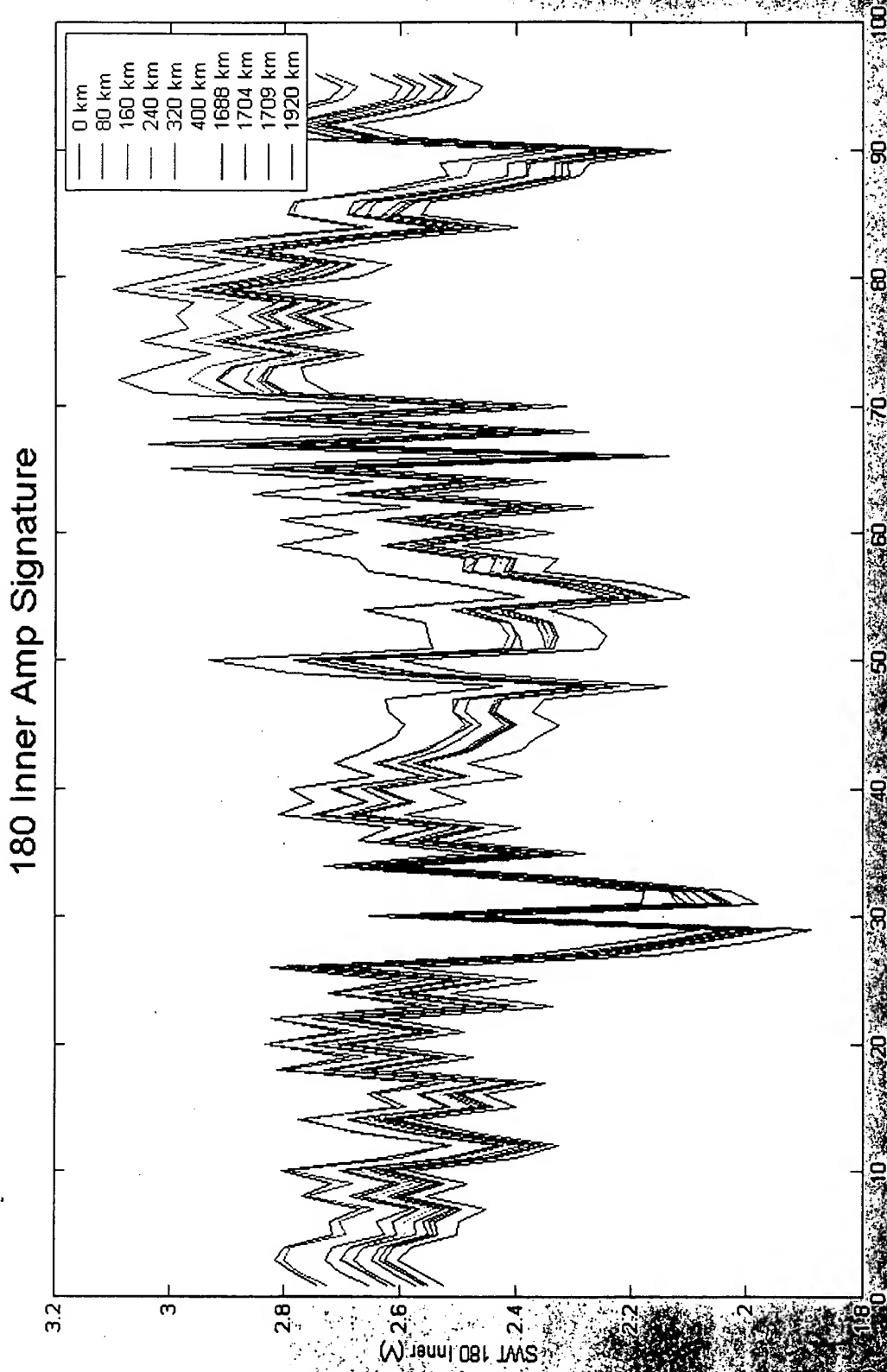


Fig. 8

## 180 Outer Amp Signature

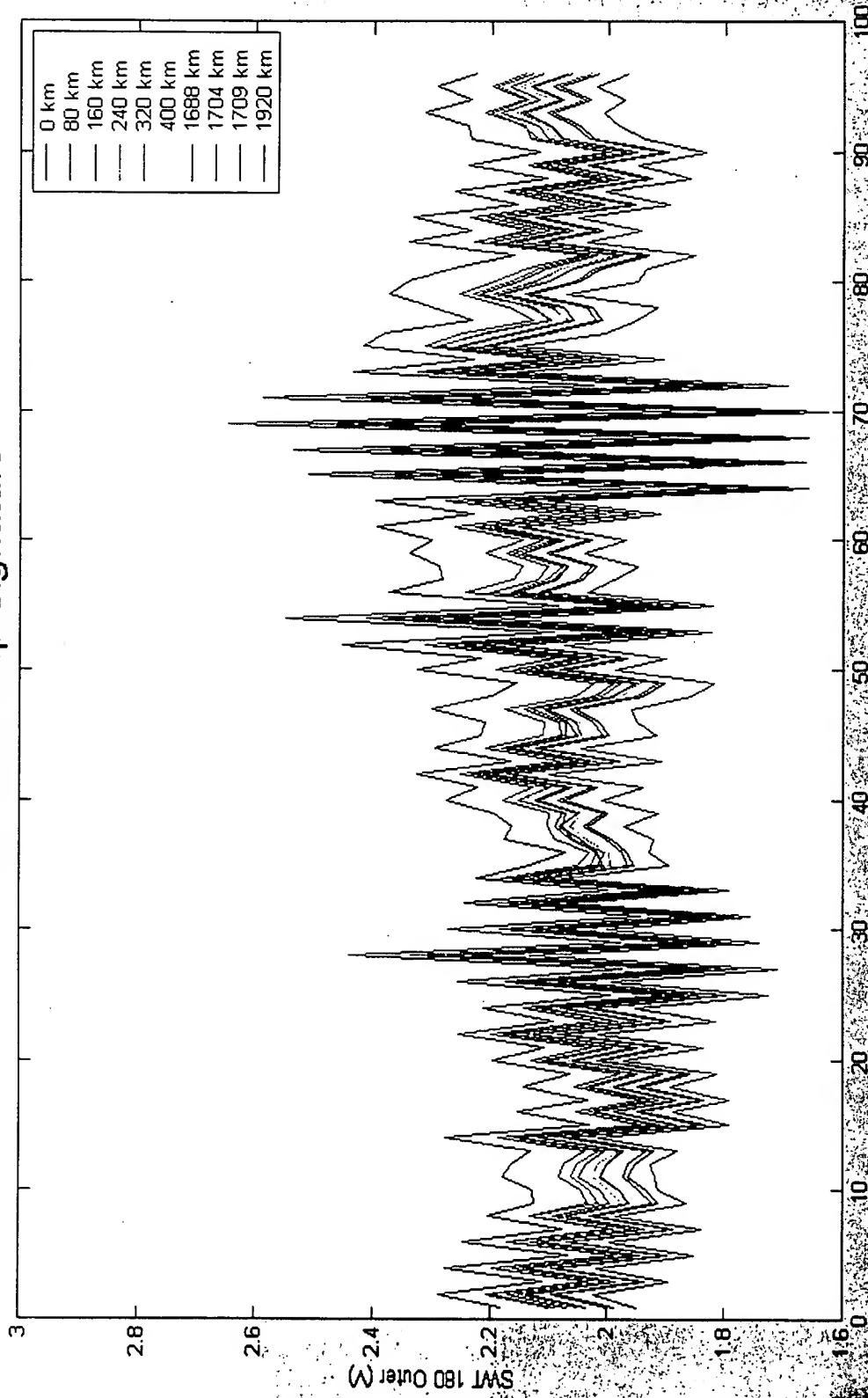


Fig. 9

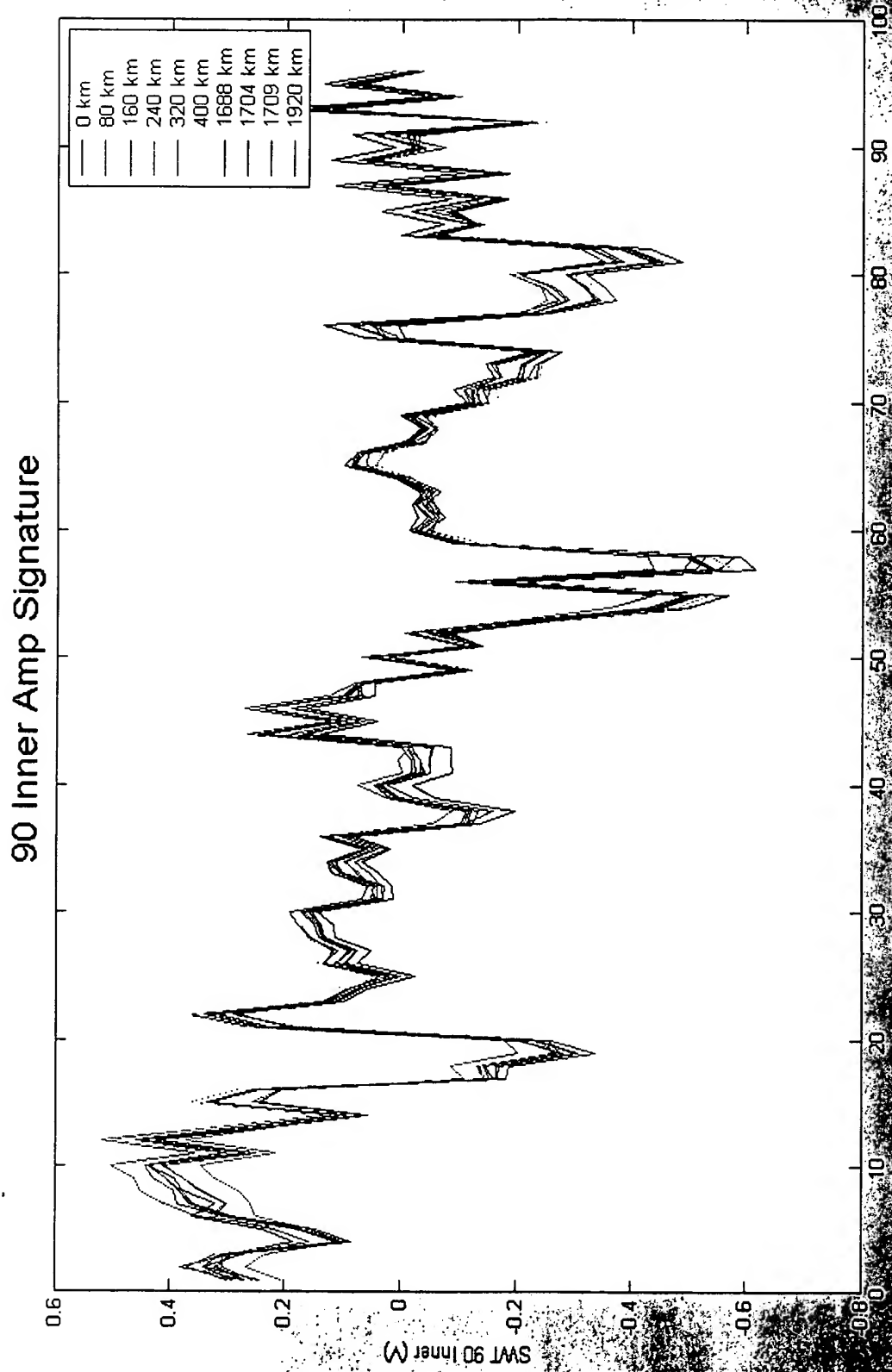


Fig. 10

## 90 Outer Amp Signature

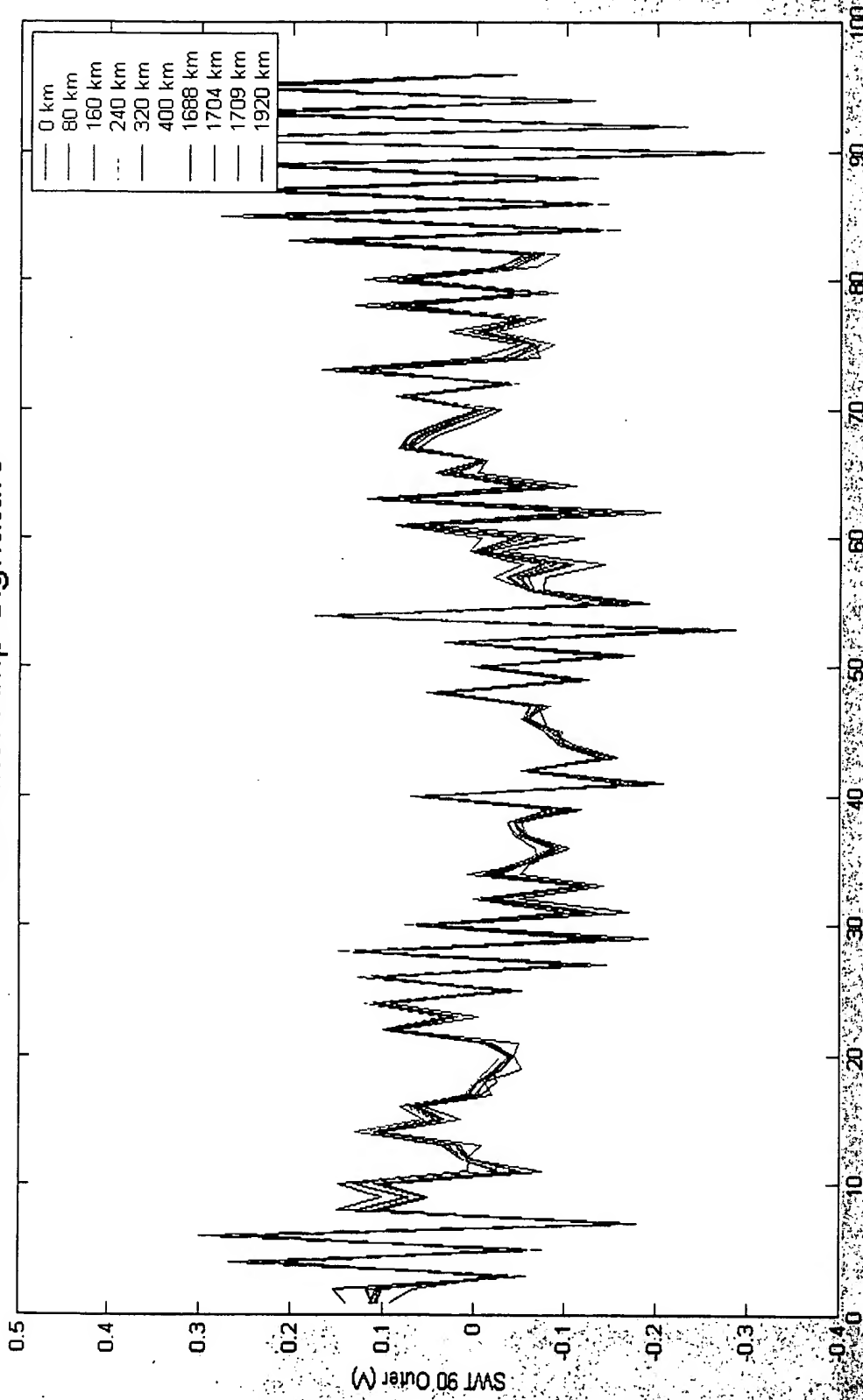


Fig. 11

## 180 Inner Amp Signature

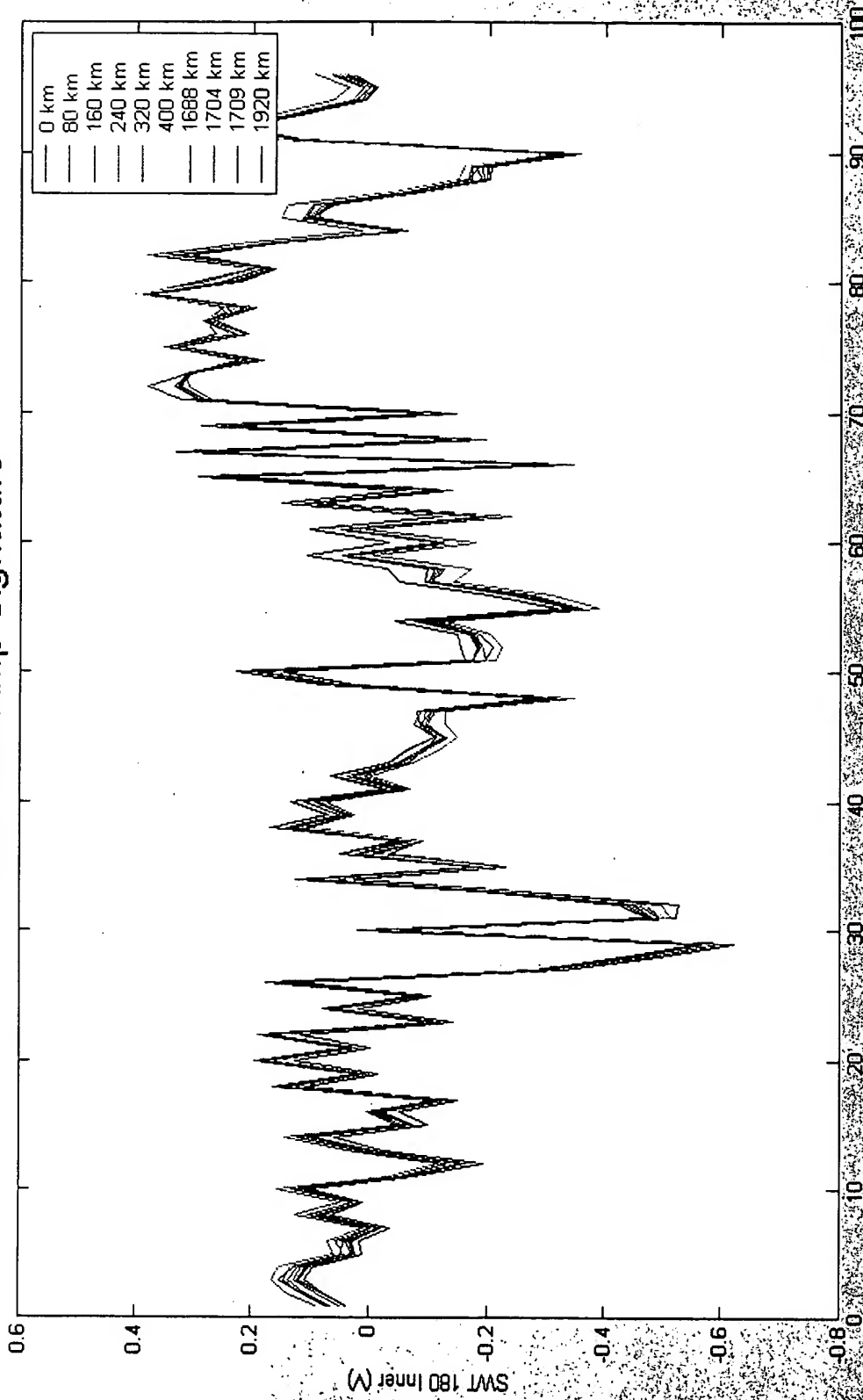


Fig. 12

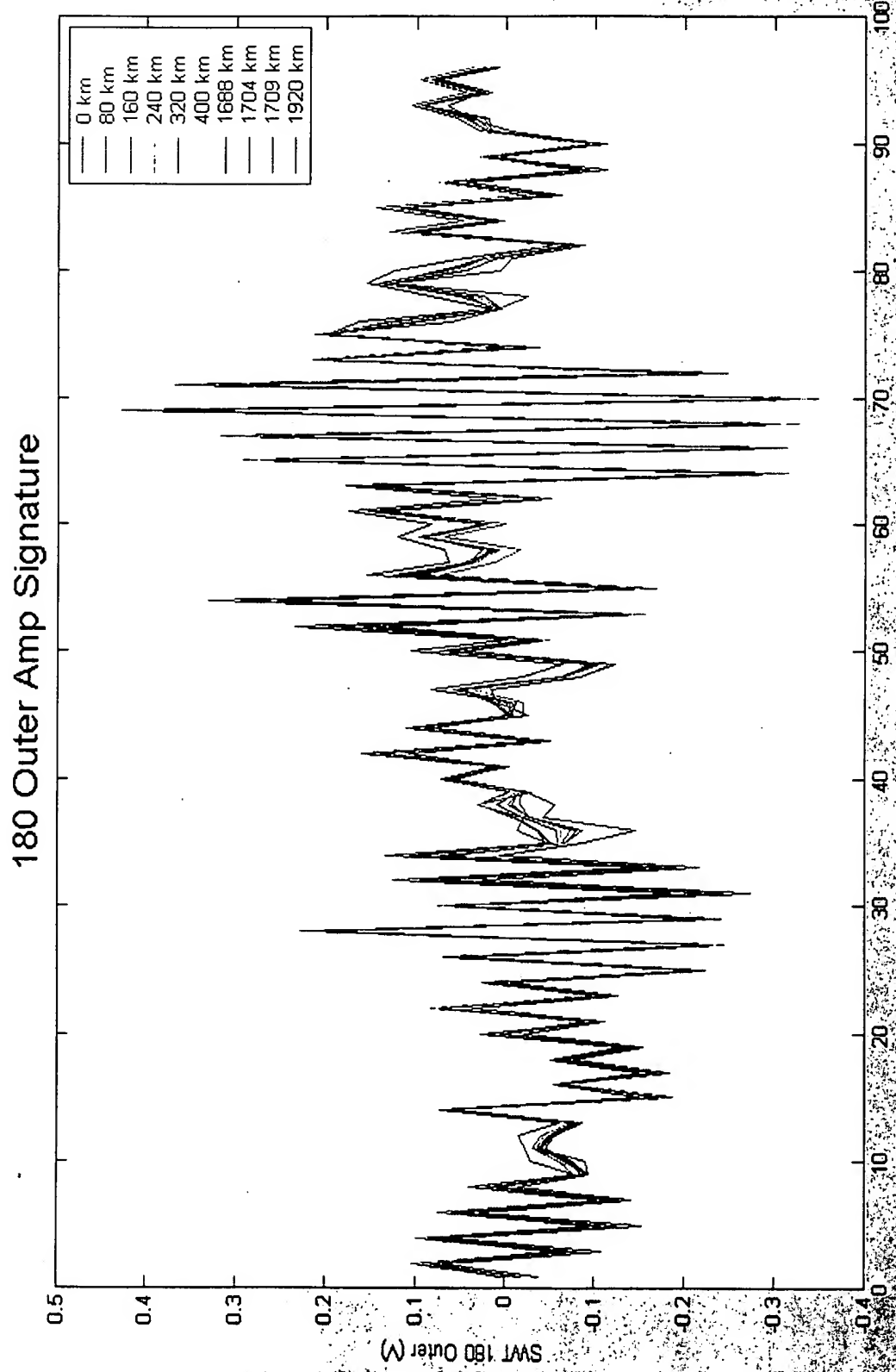
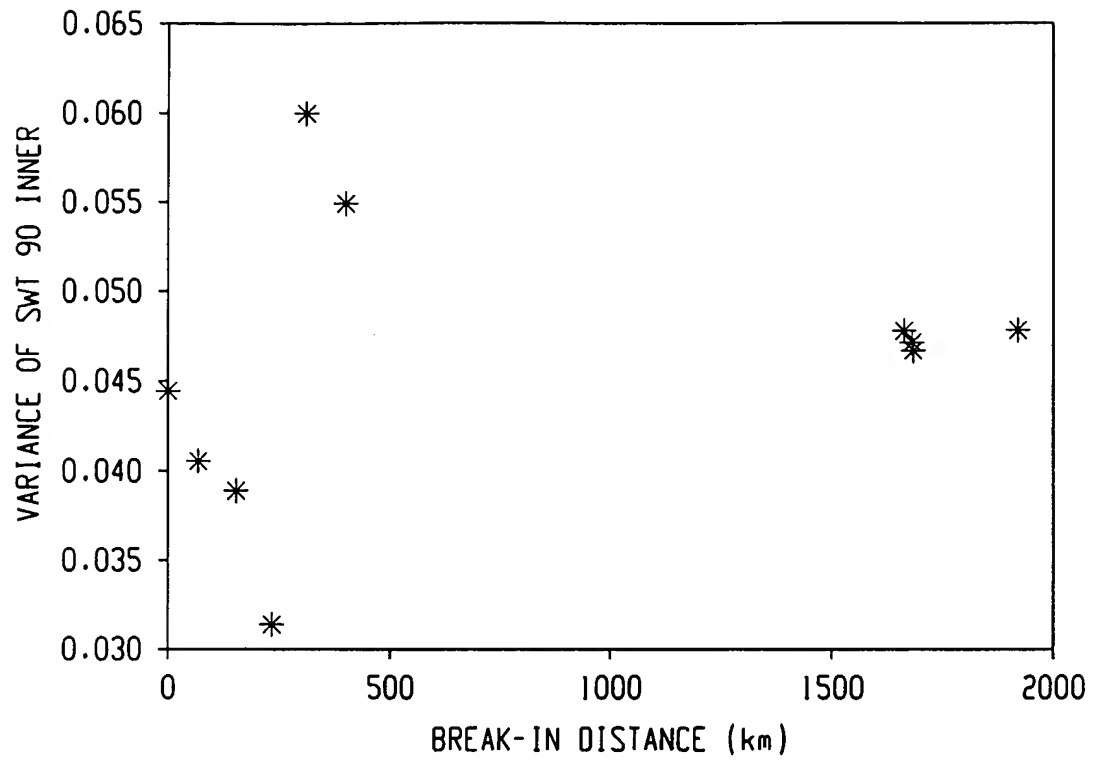
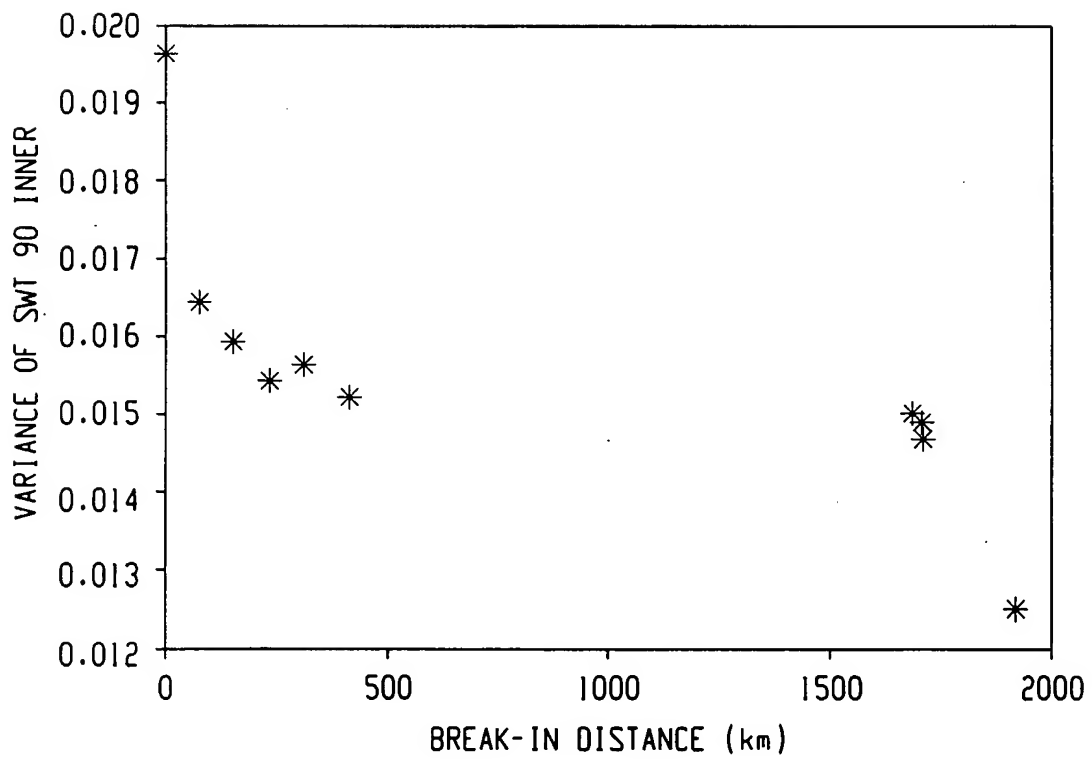
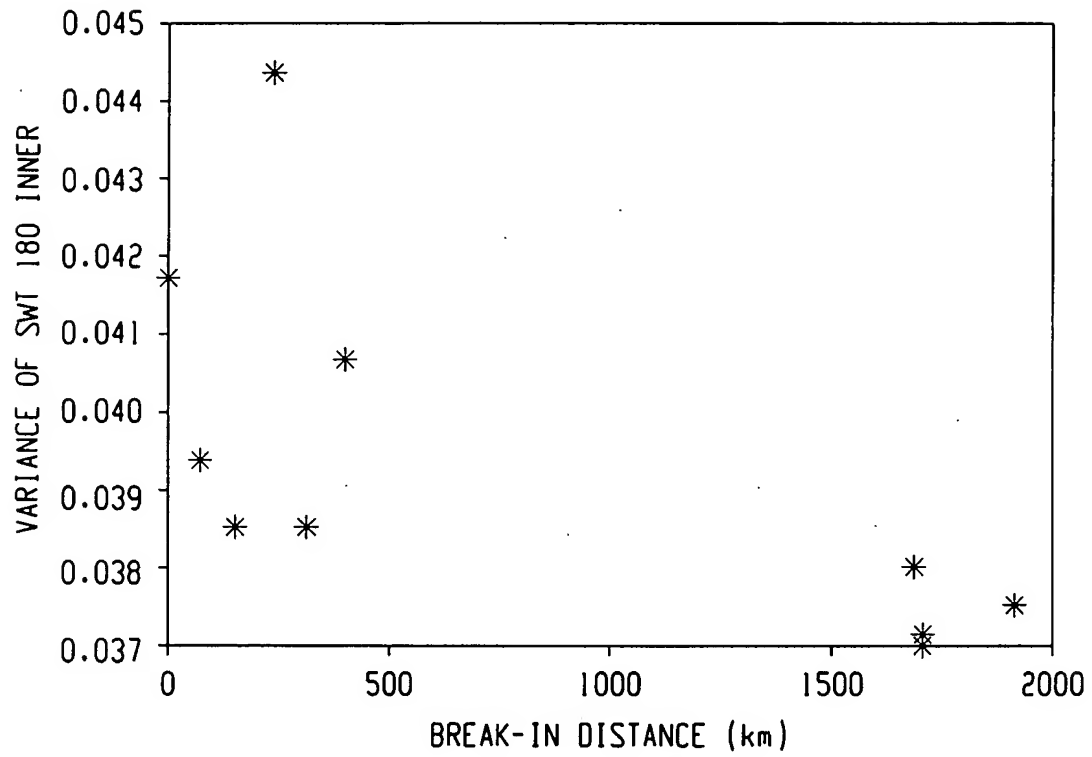
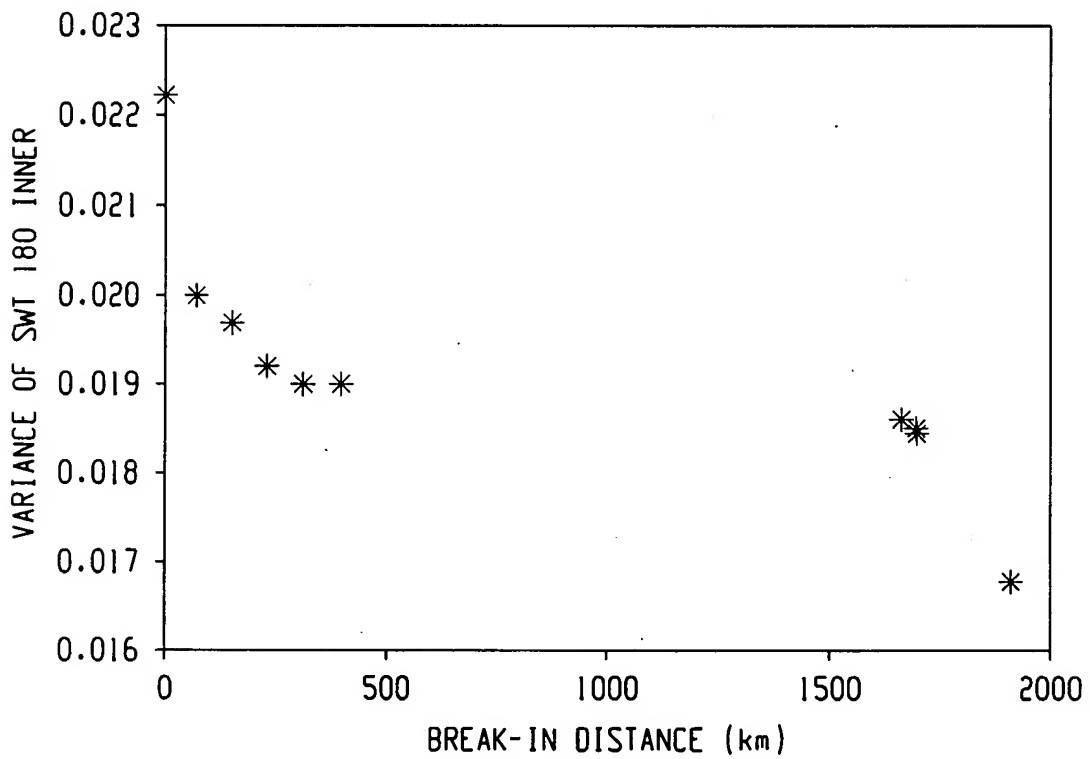


Fig. 13

*Fig. 14**Fig. 15*

*Fig. 16**Fig. 17*



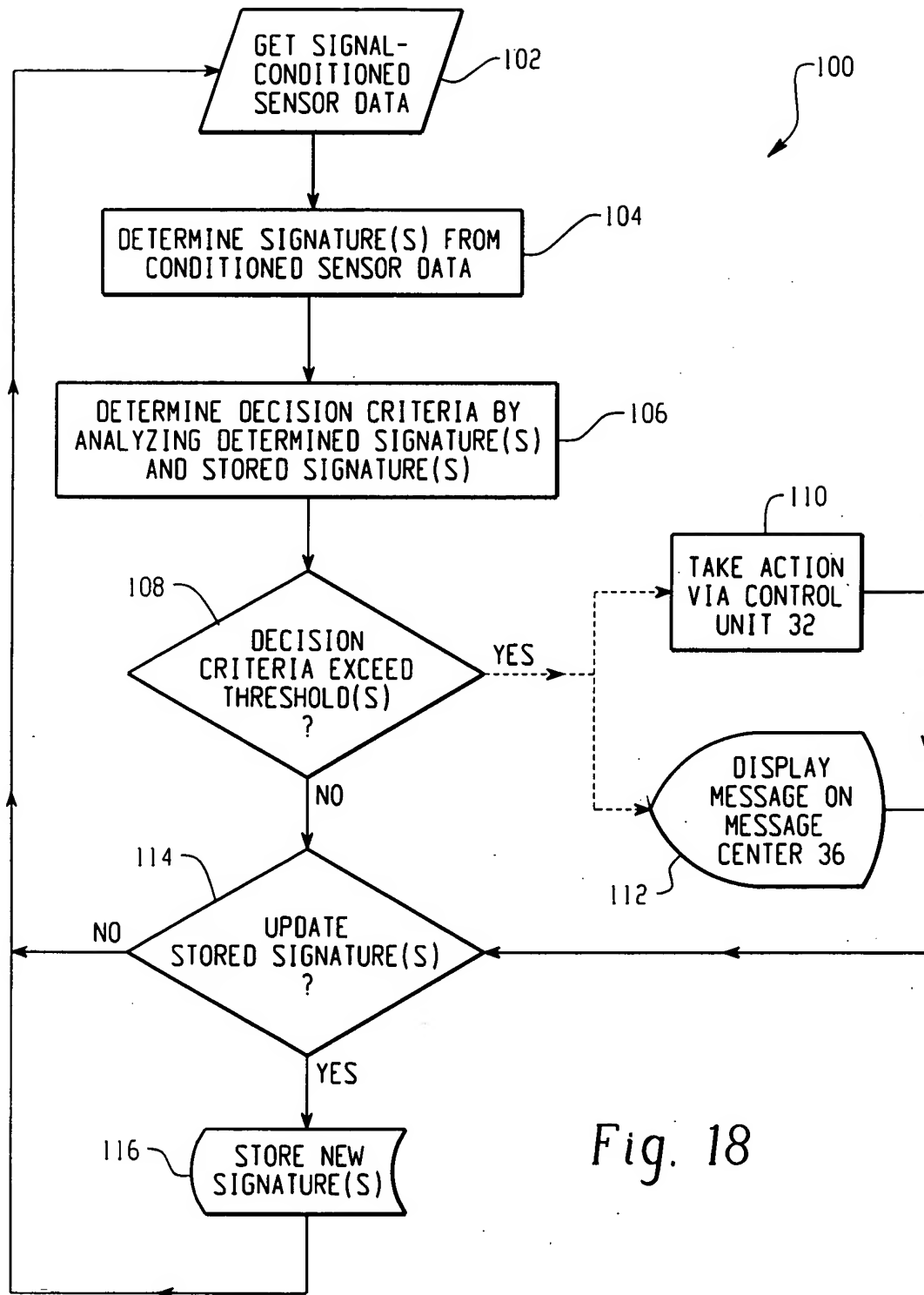


Fig. 18

# Tire Status Detection System

## Akron C-Machine

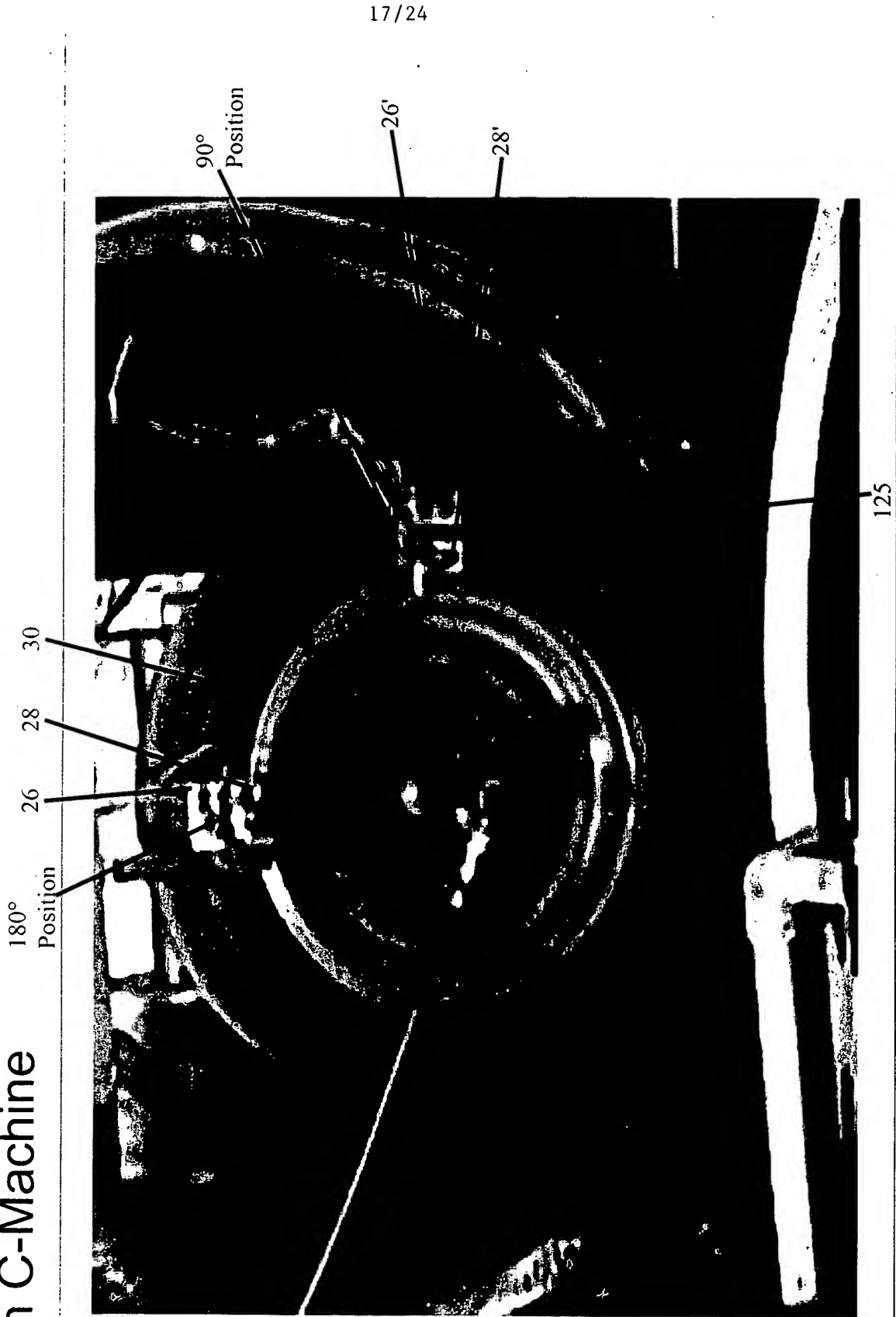


Fig. 19

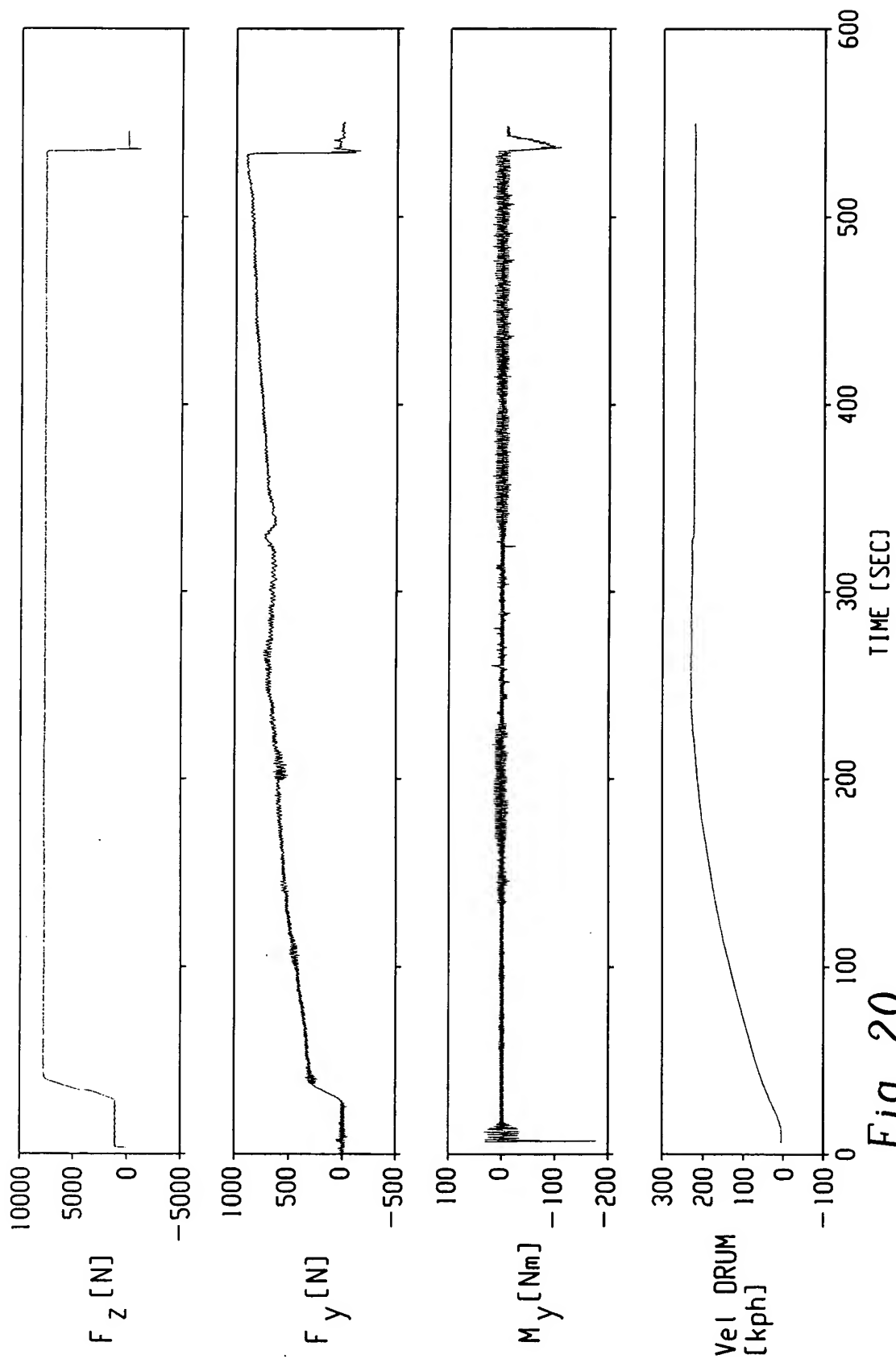


Fig. 20

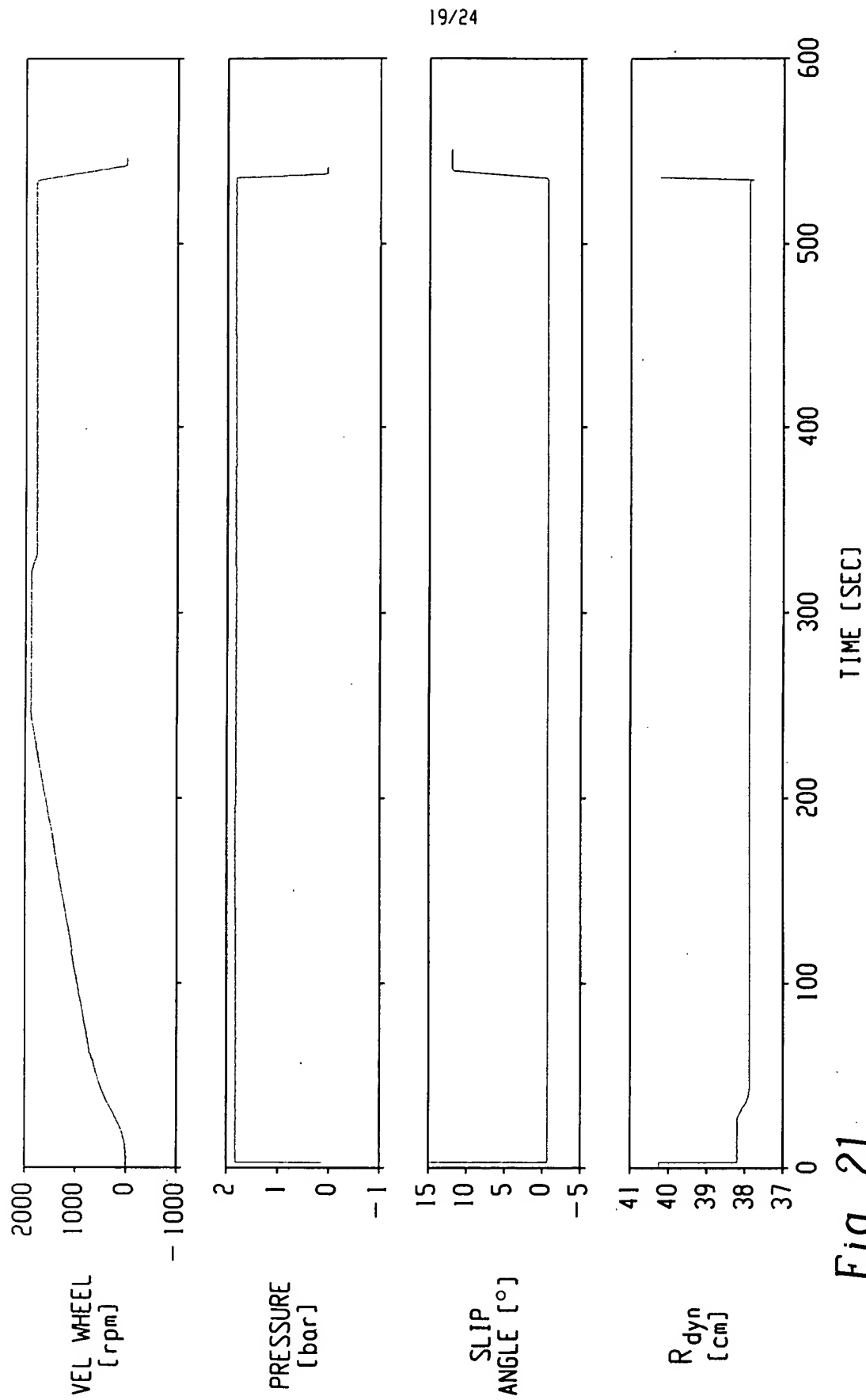


Fig. 21

# Tire Status Detection System Carcass Rupture, Amplitude Signature Inner Sensor

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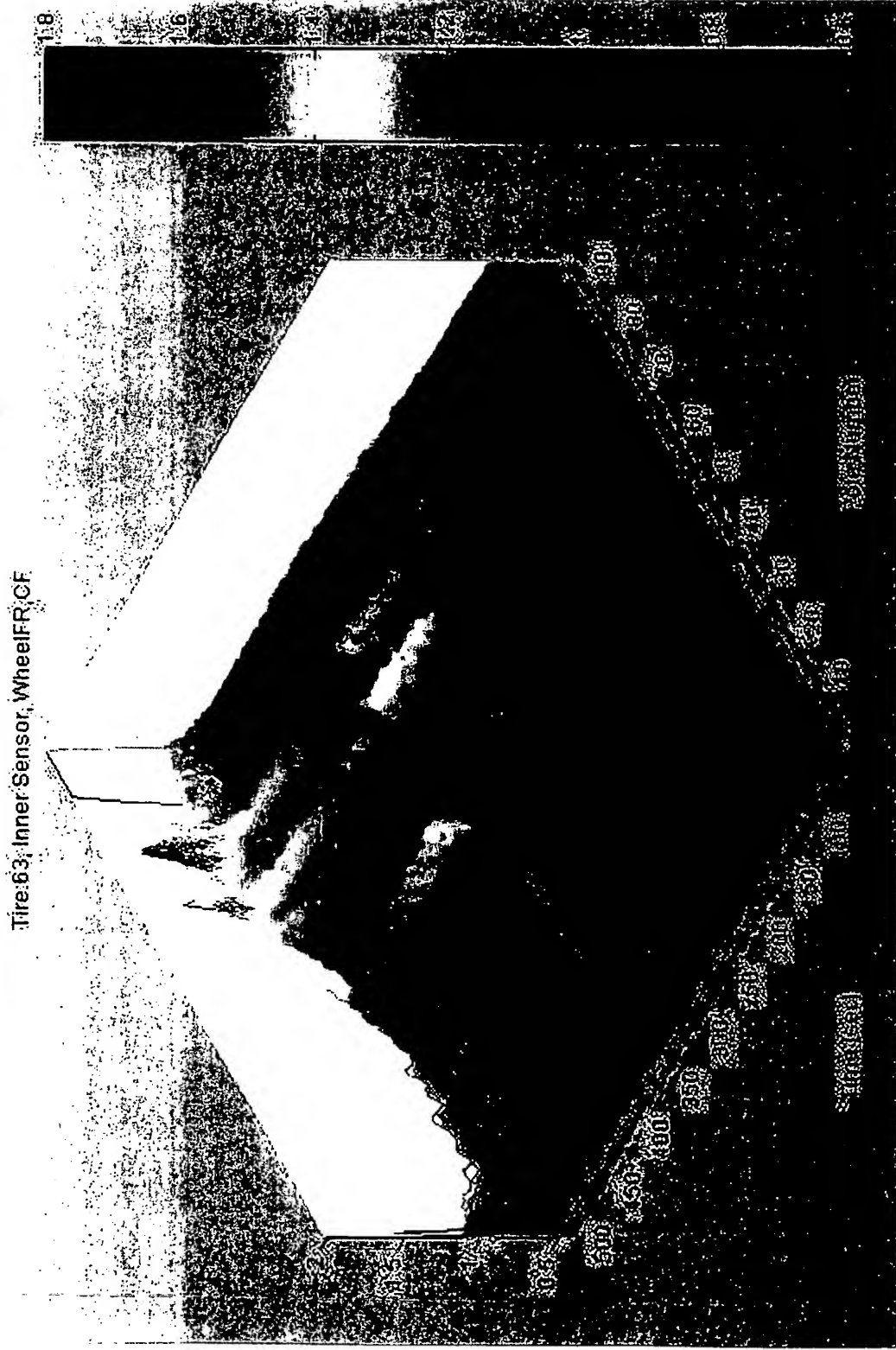


Fig. 22

# Tire Status Detection System

## Carcass Rupture, Amplitude Signature Outer Sensor

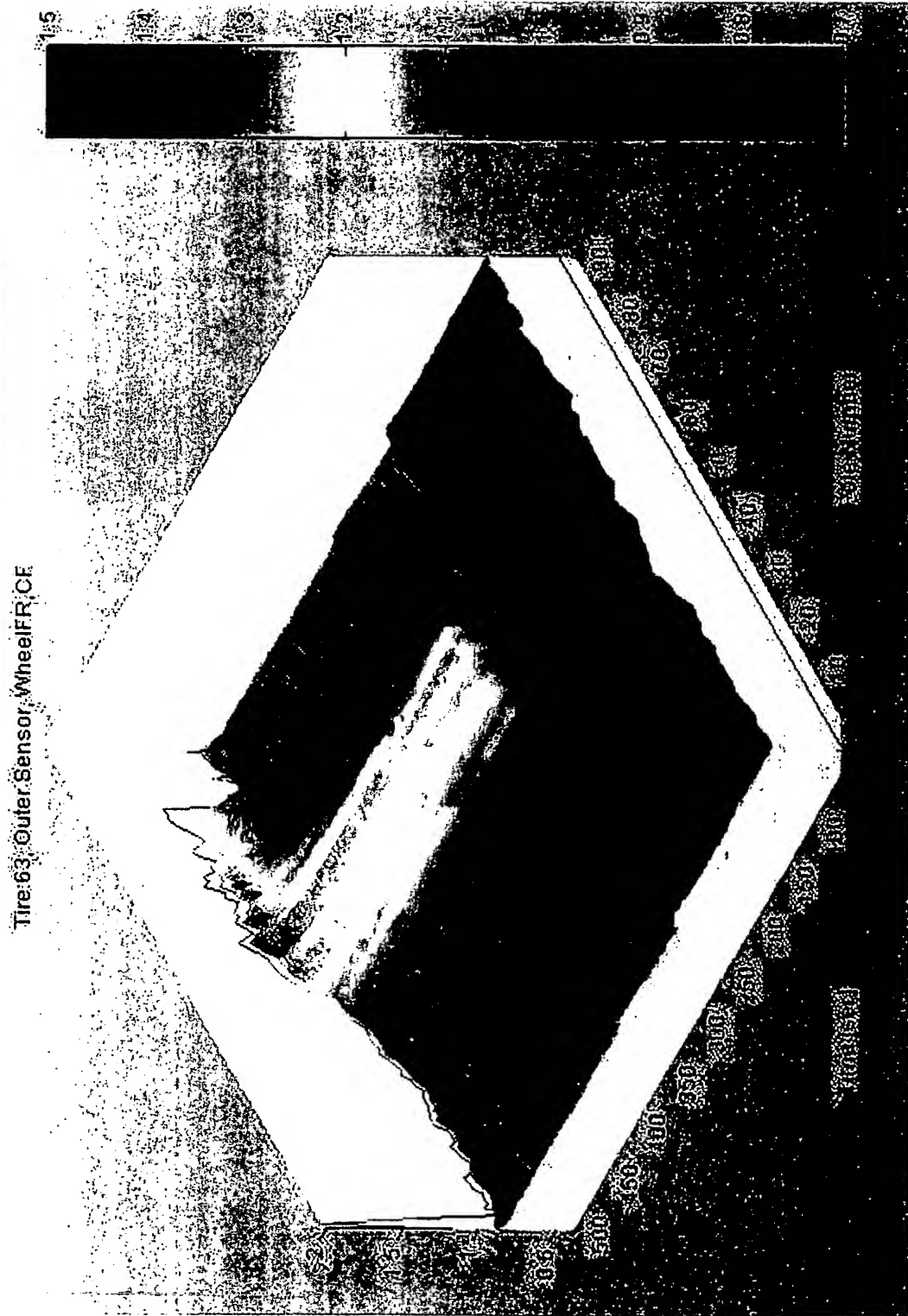
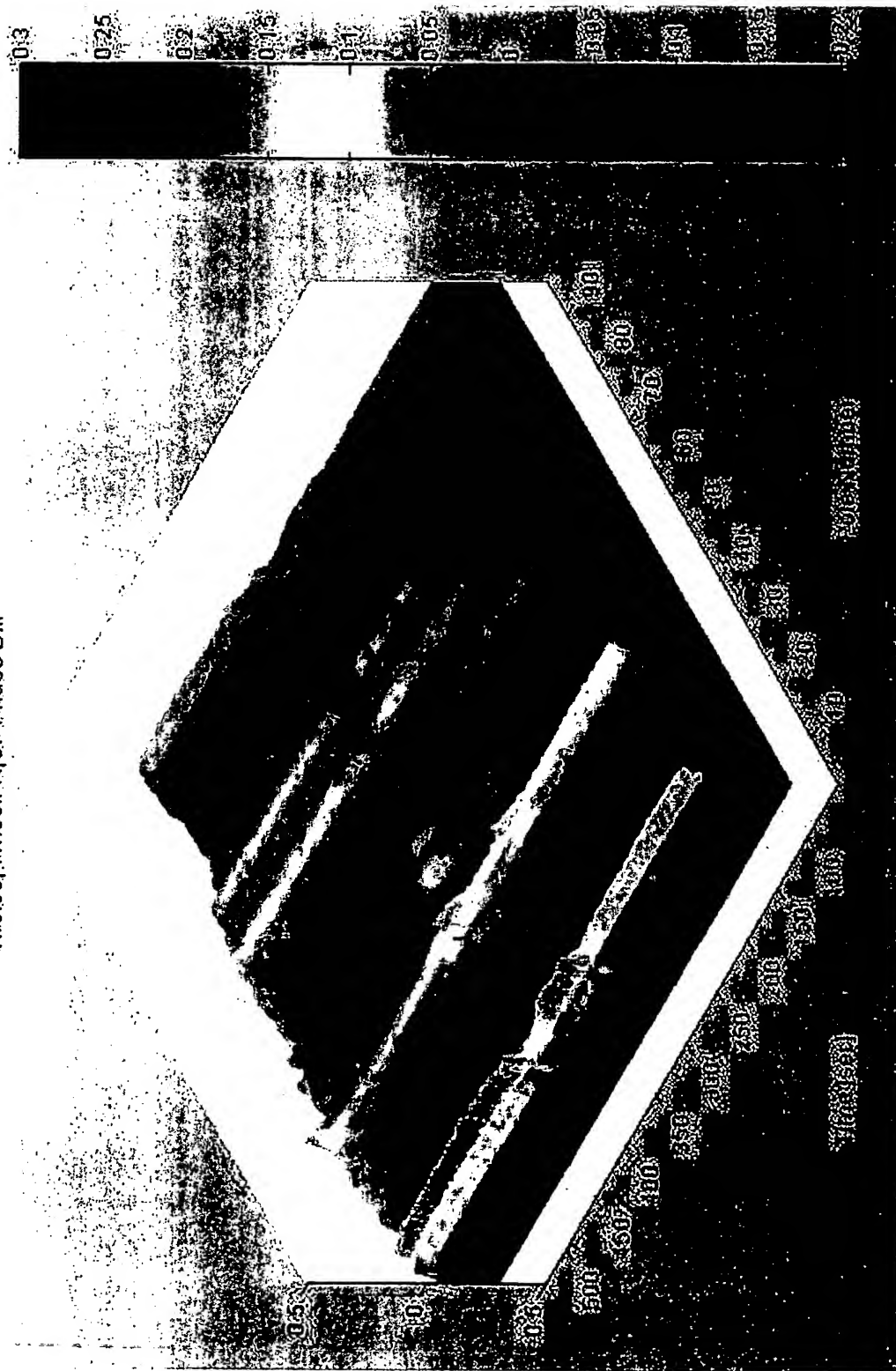


Fig. 23

# Tire Status Detection System Carcass Rupture, Phase Signature

Tire 63, WheelFR, CF, Phase Diff



Tire 63

Fig. 24

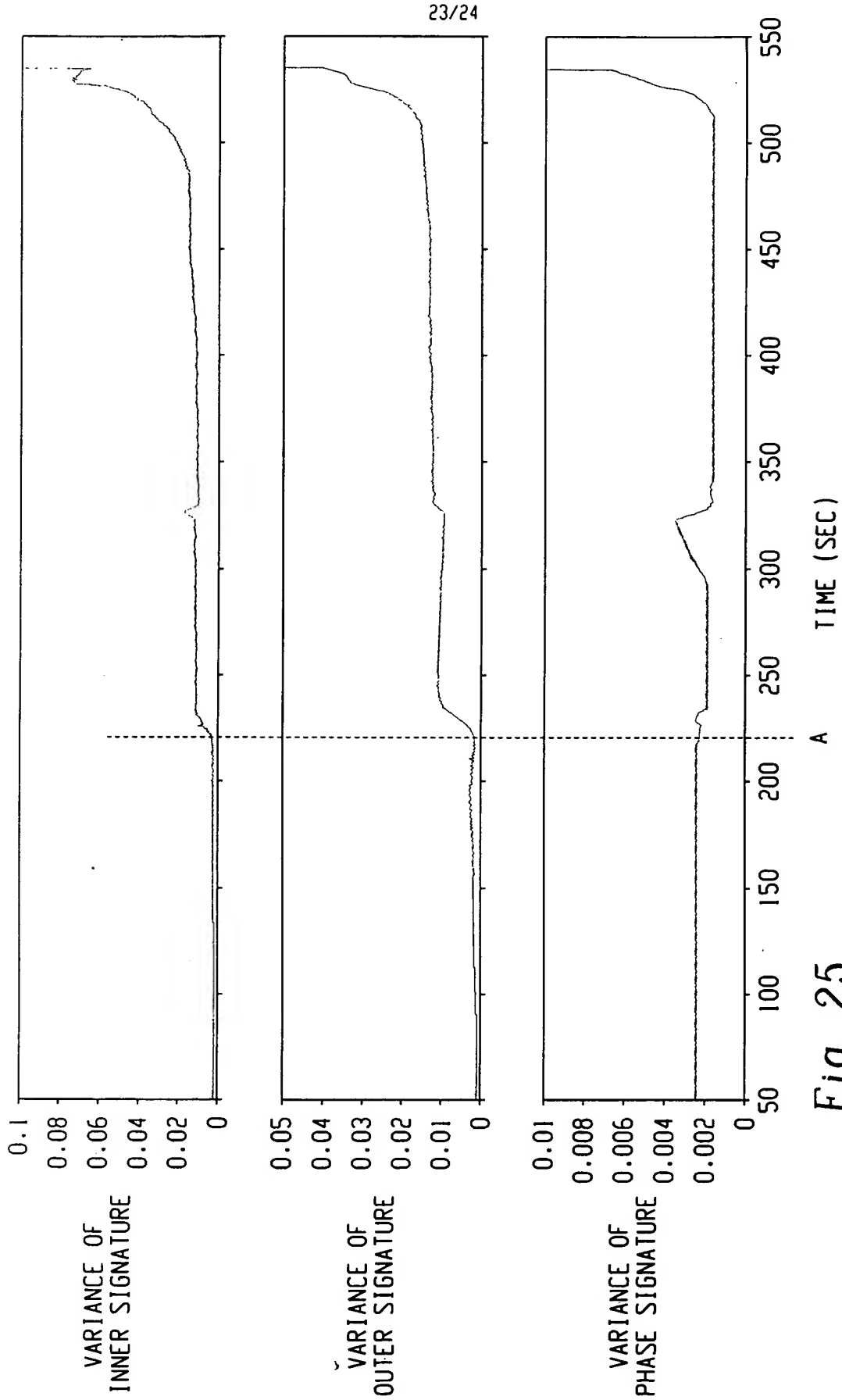


Fig. 25



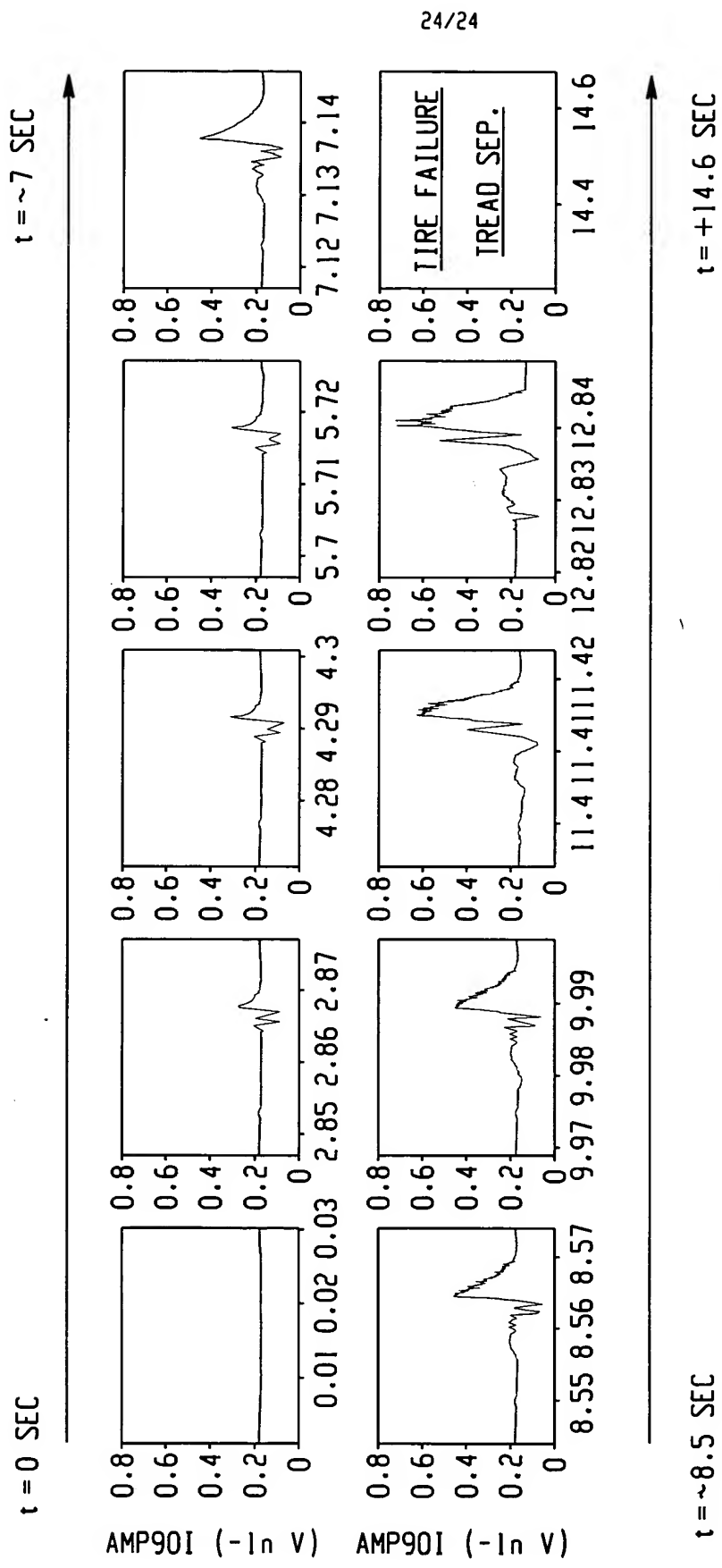


Fig. 26